

-1696 TGTATTGCATTAAAGTTTC
 -1680 ATAGATTATTAATTGTATAATGGAATCAACACCAAAATGCAAAATTAGAAAGAGAGCCCACTTTTGTCTACCCAGTCACAGCTCTTC
 -1600 CCATGTAACCAATAGAACGTTGGGTCCTGTCTTTCTAGATCCACAGTCTGTCTCTCAGAACAGGCTAGCCACACACACACA
 -1520 GGCCTAGTGCACGAGGCCAATGGCCTTTTTTAAAGCTCAGACTCCCTTCTGTGTGAACAGCAATATATCCACAACTTGTATACAA
 -1440 CATTTGGTGTCTTCCCTGCAAGGCTACAGAACTATTGTATCGAAAAATGTTCAATTGACTTACACACAGAGAAGACACAAAAAT
 -1360 AAAAAATTAAATAATTAAATTAAATGTCTTTTGAAAAATGTACCAATTTATTTTACATTTGGGGTCAATAAGAAATTTGTAATTACAC
 -1280 TTAAAGAATGCAATACAAATTTGAAGATCAGATTTTCTCCCTTTGTGAGAAATTTCTCAGTATGTGTAATGTAACATAACAGAA
 -1200 ATCATAGCCAGTCAATAATTTCAAGTGAGTTACTCATATAACGAACAAGAACCACTACTTCTTTGGTGAAGTGAAGTCTGCTTC
 -1120 CCTTCAACTCAGGATACAACTGTCTTTCAAAGTCTTTCTTCACTAGCTAGCTAAATGAGTAAAGCCCTGTGTAACAA
 -1040 TTTTAAAGTTGACTCCTTCCCTGGGCTCAGGGTTCCCTAGAAACAGAGAGGTCCCCCAAAATCCCGGTCTGTGTGCCCTGTCCGC
 -960 CTAAAGCTTGCTCCTGGCCAGATCAGAGGGCAGCATTAGAATCTCATAGGAGCTGGACGCTATTTCTGAACCTGGCCATGT
 -880 GCGGATCCAGATTGTGCACTCTTTATGAGAATCTAACTAATGCTTGATGATCTAICTGAACCAAGAACAAATTTCAATCCTG
 -800 AAACCAATCCCCACCAAAATCCATAGAAATACTGTCTTCCACAAAATGATCCCTGGTGTGCCAAAATGTTAGAGAGCACTCC
 -720 CCTAAAACTCTCTTCTTAGCTCTCACCTCCTGTATTACTATCTCATCTCAGTACATTTGAAGCCCACTATCTTTTCCCCCATG
 -640 GATGCTCATTTCTATTAGGGAGGCATTTTATTTTGTGTTTTTATTTTTTTCGGAGAGAGTCTCGCTGTGTGGC
 -560 CAAGGCTGAGTGACATGGGCGCGATCTCGGCTCACTGCAAGCTCCGCTTCCCGGTTACGCCATTTCTCTCTAGCTCAGACC
 -480 TCCCAAGTAGCTGGGACTACAGGGCCCCGCACTACGCCCGGCTAAATTTTTTGTATTTTTTATGTAAGACAGGAGTTTACCG

Fig. 1A

30 Ile Met Arg Arg Arg Gly Leu Thr Ser Pro Cys Lys Asp Ile Asn Thr Phe Ile His Gly
 +264 ATC ATG AGG AGA CGG GGC CTG ACC TCA CCC TGC AAA GAC ATC AAC ACA TTT ATT CAT GGC
 40
 50 AAC Lys Arg Ser Ile Lys Ala Ile Cys Glu Asn Lys Asn Gly Asn Pro His Arg Glu Asn
 +324 AAC NAG CGC AGC ATC AAG GCC ATC TGT GAA NAC NAG AAT GGA AAC CCT CAC AGA GAA AAC
 60
 70 Leu Arg Ile Ser Lys Ser Ser Phe Gln Val Thr Thr Cys Lys Leu His Gly Gly Ser Pro
 +384 CTA AGA ATA AGC AAG TCT TCT TTC CAG GTC ACC ACT TGC AAG CTA CAT GGA GGT TCC CCC
 80
 90 Trp Pro Pro Cys Gln Tyr Arg Ala Thr Ala Gly Phe Arg Asn Val Val Val Ala Cys Glu
 +444 TGG CCT CCA TGC CAG TAC CGA GCC ACA GCG GGG TTC AGA AAC GTT GTT GCT TGT GAA
 100
 110 Asn Gly Leu Pro Val His Leu Asp Gln Ser Ile Phe Arg Arg Pro Stop
 +504 AAT GGC TTA CCT GTC CAC TTG GAT CAG TCA ATT TTC CGT CGT CCG TAA
 120
 +552 CCAGCGGCCCTGCTCAAGTCTGGCTCTGCTGTCTGCTTCCATTTCCCTCTGCA
 +612 CCCAGAACAGTGTGGCAACATTCATTGCCAAGGGCCCAAGAGAGCTACCTGGACCTTTGTTTCGTGTTGACAAAC
 123
 +692 ATGTTTAAATAAAATAATGCTTTGATATCAGTAAGAATCAGAGTCTTCTACCTGATTTCTGGGCATATTGATCTTTCCCC
 +782 CATTTTCTCTACTTGGCTGCTCCCTGAGAGGACTGCTATAGGATAGAAATGCTTTTCTTTCTTTTCTTTTCTTTT

Fig. 1C

+2142 TAGAAAGTGGTTGCCAATAAATTAGTTATATAAGTCGCCAGTTTCACCTGCTTGTGAACACATAAATTAATGTGTGCTTCAGTA
 +2222 TTCCCTATGTGGCTTCTCCTGTCTCTGGTATTTGCCCTGAAATGGGGCAAAAGCCGTGGCTCCCAATGCTCAGGTTATA
 +2302 GAACATTTGTCAGGTACCACTAGGAGAGCCAGCCCTCACTGAAAAGTATTCANAATTTAGGAATGGGTTTGAGAAAGTAGGT
 +2382 AGCTGGTATGTGCTTAGCAACAAGAAATCTCTCTTCTTGGGTTAGTCTGTTTCAAACTGAAAACACTGTTCATTTCCCTTAAG
 +2462 AAAATAGGAAAAAAGTATTTCCAAAACCTCTGTCTACATAGAAAAATTTGCCAATATTACCAAACTCTCAAAAAACCTCTCAGGAAATG
 +2542 AGAAAGTCCAGTTTCTGGTAAACTATTTGGGGCCCTTTCTCAAGTTCTCCTTCCAGTGTCTATTTTCCCTTGAGGTGAGGCA
 +2622 AAGTTACTCAAGATCAATCGCTGCCACTCAAGGCCTTGAATGGGCAAGTGAAGGCAATGACCAATTAATTAATTAATGATCACA
 +2702 GCATAAGCTGTGAATCCCACTCTCTCCAAACATCTGCTTGGAGCAATTAATCATCGCAATTAATGCTGTGGTGTTCAGG
 +2782 GAAATCGCTGTATTCAATAGGAAATCAATGGCAGTGGGATGGGAGTGTTCCTGACCTGGCCGATGTGTACATGGCACTGAGC
 +2862 AAGCAATTCCTAGTCCCTTTTGGTCTGGGCCCTCTTGTCTATCAACAACCAAGCTGTTTAAAAATAAAAGGTCAAGTCAC
 +2942 AGGCAGGTCAATTTTATTCCTGCGTGAATCAATTGAG

Fig. 1E

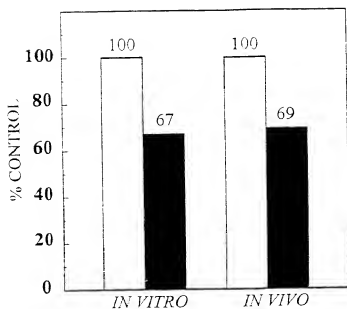


Fig. 2A

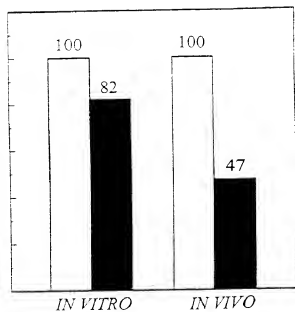


Fig. 2B

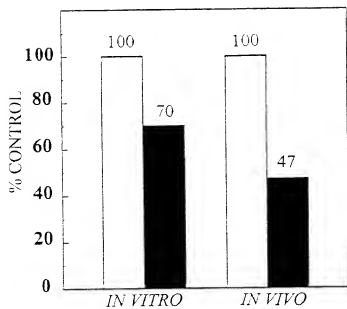


Fig. 3A

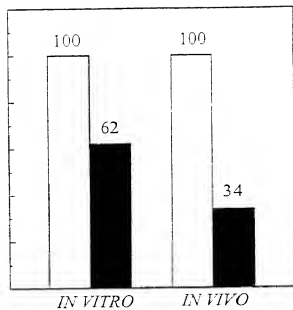


Fig. 3B

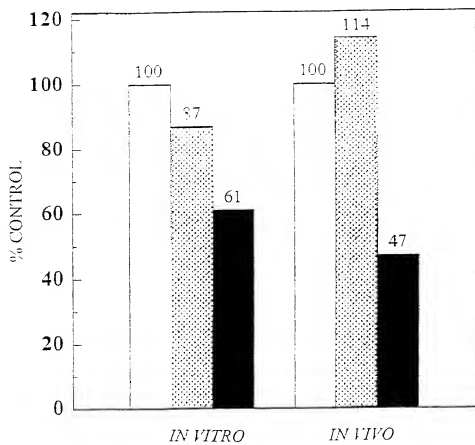


Fig. 4

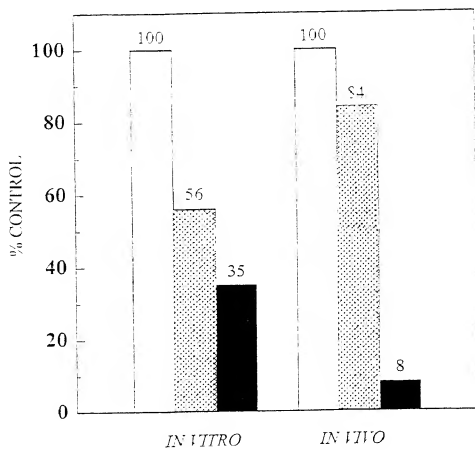


Fig. 5

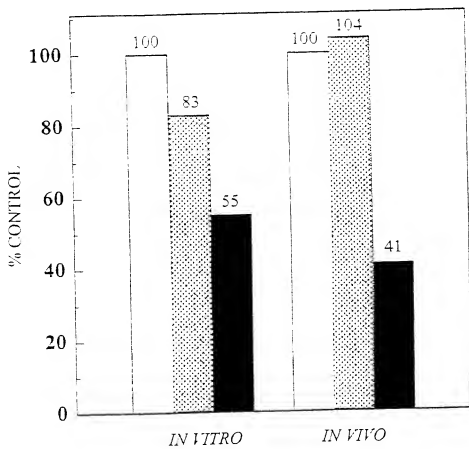


Fig. 6

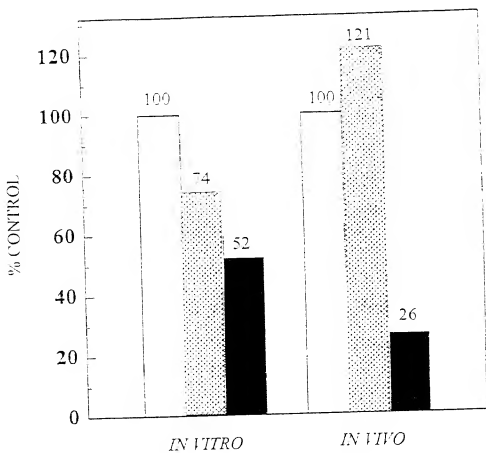


Fig. 7

FIG. 8

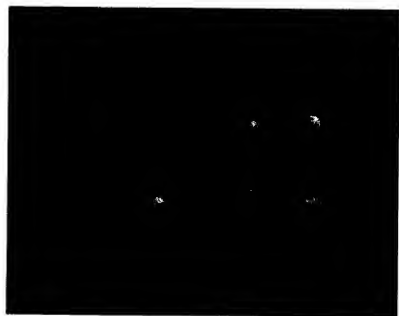


FIG. 9

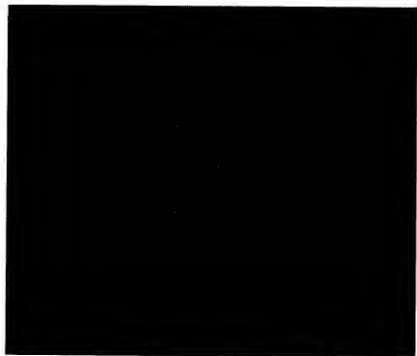


FIG. 10

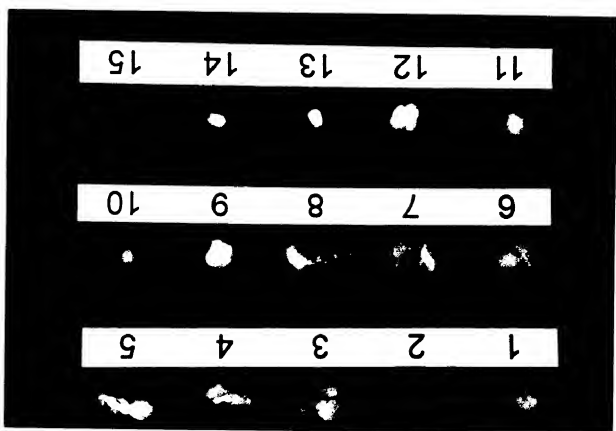


FIG. 11



FIG. 12



FIG. 13

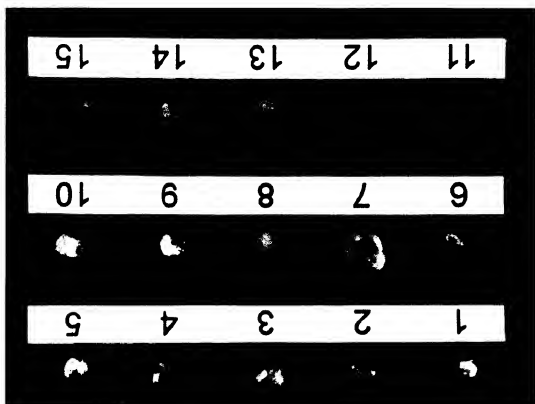
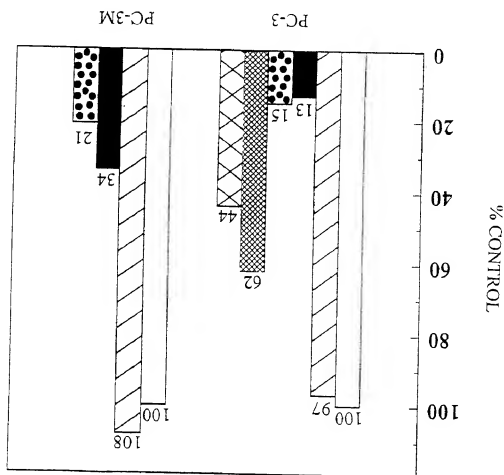


Fig. 14



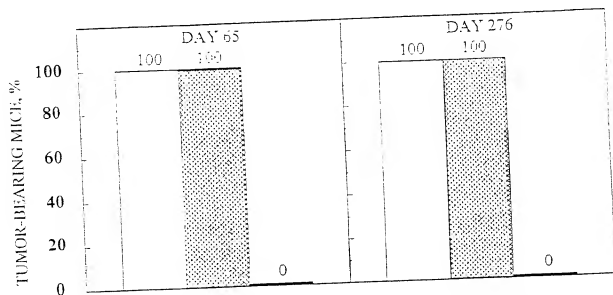


Fig. 15A

Fig. 15B

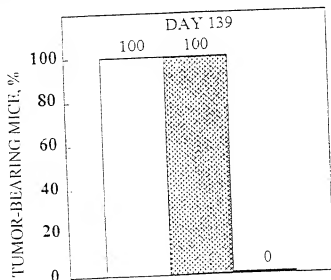


Fig. 15C

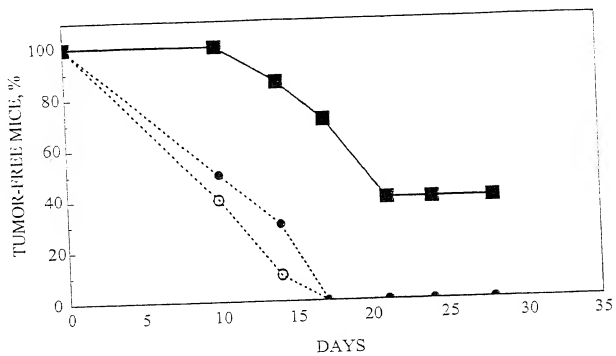


Fig. 16

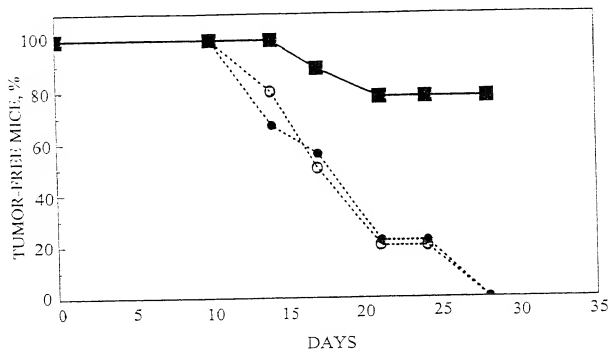


Fig. 17